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OCT 10 2000

TECH CENTER 1600/2900

1653

p#8

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/426,011

DATE: 09/27/2000  
 TIME: 16:45:34

Input Set : A:\PTO.txt  
 Output Set: N:\CRF3\09272000\I426011.raw

ENTERED

## SEQUENCE LISTING

1 (1) GENERAL INFORMATION:  
 2 (i) APPLICANT: Simons, Michael  
 3 Gao, Youhe  
 4 (ii) TITLE OF INVENTION: Method for PR-39 peptide regulated  
 5 stimulation of angiogenesis  
 6 (iii) NUMBER OF SEQUENCES: 14  
 7 (iv) CORRESPONDENCE ADDRESS:  
 8 (A) ADDRESSEE: David Prashker, Esq.  
 9 (B) STREET: P.O. Box 5387  
 10 (C) CITY: Magnolia  
 11 (D) STATE: Massachusetts  
 12 (E) COUNTRY: USA  
 13 (F) ZIP: 01930  
 14 (v) COMPUTER READABLE FORM:  
 15 (A) MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage  
 16 (B) COMPUTER: Dell Dimension PC  
 17 (C) OPERATING SYSTEM: MS DOS  
 18 (D) SOFTWARE: Microsoft Word Version 97  
 19 (vi) CURRENT APPLICATION DATA:  
 C--> 20 (A) APPLICATION NUMBER: US/09/426,011  
 C--> 21 (B) FILING DATE: 25-Oct-1999  
 22 (C) CLASSIFICATION: Unknown  
 23 (viii) ATTORNEY/AGENT INFORMATION:  
 24 (A) NAME: David Prashker, Esq.  
 25 (B) REGISTRATION NUMBER: 29,693  
 26 (C) REFERENCE/DOCKET NUMBER: BIS-043/CIP  
 27 (ix) TELECOMMUNICATION INFORMATION:  
 28 (A) TELEPHONE: (978) 525-3794  
 29 (2) INFORMATION FOR SEQ ID NO: 1:  
 30 (i) SEQUENCE CHARACTERISTICS:  
 31 (A) LENGTH: 39 amino acids  
 32 (B) TYPE: amino acid  
 33 (C) STRANDEDNESS: single  
 34 (D) TOPOLOGY: linear  
 35 (ii) MOLECULE TYPE: peptide  
 36 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 38 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro  
 39 1 5 10 15  
 40 Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro  
 41 20 25 30  
 42 Arg Phe Pro Pro Arg Phe Pro  
 43 35  
 45 (2) INFORMATION FOR SEQ ID NO: 2:  
 46 (i) SEQUENCE CHARACTERISTICS:  
 47 (A) LENGTH: 39 amino acids  
 48 (B) TYPE: amino acid

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49      (C) STRANDEDNESS: single
50      (D) TOPOLOGY: linear
51      (ii) MOLECULE TYPE: peptide
52      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
54 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro
55 1      5      10      15
56 Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro
57      20      25      30
58 Arg Phe Pro Pro Arg Phe Pro
59      35
61 (2) INFORMATION FOR SEQ ID NO: 3:
62      (i) SEQUENCE CHARACTERISTICS:
63          (A) LENGTH: 15 amino acids
64          (B) TYPE: amino acid
65          (C) STRANDEDNESS: single
66          (D) TOPOLOGY: linear
67      (ii) MOLECULE TYPE: peptide
68      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
70 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro
71 1      5      10      15
73 (2) INFORMATION FOR SEQ ID NO: 4:
74      (i) SEQUENCE CHARACTERISTICS:
75          (A) LENGTH: 11 amino acids
76          (B) TYPE: amino acid
77          (C) STRANDEDNESS: single
78          (D) TOPOLOGY: linear
79      (ii) MOLECULE TYPE: peptide
80      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
82 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg
83 1      5      10
85 (2) INFORMATION FOR SEQ ID NO: 5:
86      (i) SEQUENCE CHARACTERISTICS:
87          (A) LENGTH: 8 amino acids
88          (B) TYPE: amino acid
89          (C) STRANDEDNESS: single
90          (D) TOPOLOGY: linear
91      (ii) MOLECULE TYPE: peptide
92      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
94 Arg Arg Arg Pro Arg Pro Pro Tyr
95 1      5
97 (2) INFORMATION FOR SEQ ID NO: 6:
98      (i) SEQUENCE CHARACTERISTICS:
99          (A) LENGTH: 39 amino acids
100         (B) TYPE: amino acid
101         (C) STRANDEDNESS: single
102         (D) TOPOLOGY: linear
103      (ii) MOLECULE TYPE: peptide
104      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
106 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro

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107 1          5          10          15
108 Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro
109          20          25          30
110 Arg Phe Pro Pro Arg Phe Pro
111          35
113 (2) INFORMATION FOR SEQ ID NO: 7:
114 (i) SEQUENCE CHARACTERISTICS:
115 (A) LENGTH: 11 amino acids
116 (B) TYPE: amino acid
117 (C) STRANDEDNESS: single
118 (D) TOPOLOGY: linear
119 (ii) MOLECULE TYPE: peptide
120 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
122 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg
123 1          5          10
125 (2) INFORMATION FOR SEQ ID NO: 8:
126 (i) SEQUENCE CHARACTERISTICS:
127 (A) LENGTH: 255 amino acids
128 (B) TYPE: amino acid
129 (C) STRANDEDNESS: single
130 (D) TOPOLOGY: linear
131 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
133 Met Ser Ser Ile Gly Thr Gly Tyr Asp Leu Ser Ala Ser Thr Phe Ser
134 1          5          10          15
135 Pro Asp Gly Arg Val Phe Gln Val Glu Tyr Ala Met Lys Ala Val Glu
136          20          25          30
137 Asn Ser Ser Thr Ala Ile Gly Ile Arg Cys Lys Asp Gly Val Val Phe
138          35          40          45
139 Gly Val Glu Lys Leu Val Leu Ser Lys Leu Tyr Glu Glu Gly Ser Asn
140          50          55          60
141 Lys Arg Leu Phe Asn Val Asp Arg His Val Gly Met Ala Val Ala Gly
142 65          70          75          80
143 Leu Leu Ala Asp Ala Arg Ser Leu Ala Asp Ile Ala Arg Glu Glu Ala
144          85          90          95
145 Ser Asn Phe Arg Ser Asn Phe Gly Tyr Asn Ile Pro Leu Lys His Leu
146          100          105          110
147 Ala Asp Arg Val Ala Met Tyr Val His Ala Tyr Thr Leu Tyr Ser Ala
148          115          120          125
149 Val Arg Pro Phe Gly Cys Ser Phe Met Leu Gly Ser Tyr Ser Ala Asn
150          130          135          140
151 Asp Gly Ala Gln Leu Tyr Met Ile Asp Met Ser Gly Val Ser Tyr Gly
152 145          150          155          160
153 Tyr Trp Gly Cys Ala Ile Gly Lys Ala Arg Gln Ala Ala Lys Thr Glu
154          165          170          175
155 Ile Glu Lys Leu Gln Met Lys Glu Met Thr Cys Arg Asp Val Val Lys
156          180          185          190
157 Glu Val Ala Lys Ile Ile Tyr Ile Val His Asp Glu Val Lys Asp Lys
158          195          200          205
159 Ala Phe Glu Leu Glu Leu Ser Trp Val Gly Glu Leu Thr Lys Gly Arg

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160      210      215      220
161 His Glu Ile Val Pro Lys Asp Ile Arg Glu Glu Ala Glu Lys Tyr Ala
162 225      230      235      240
163 Lys Glu Ser Leu Lys Glu Glu Asp Glu Ser Asp Asp Asp Asn Met
164      245      250      255
166 (2) INFORMATION FOR SEQ ID NO: 9:
167     (i) SEQUENCE CHARACTERISTICS:
168         (A) LENGTH: 4 amino acids
169         (B) TYPE: amino acid
170         (C) STRANDEDNESS: single
171         (D) TOPOLOGY: linear
172     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
174 Ala Glu Arg Asp
175 1
177 (2) INFORMATION FOR SEQ ID NO: 10:
178     (i) SEQUENCE CHARACTERISTICS:
179         (A) LENGTH: 1 amino acid
180         (B) TYPE: amino acid
181         (C) STRANDEDNESS: single
182         (D) TOPOLOGY: linear
183     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
185 Ala
186 1
188 (2) INFORMATION FOR SEQ ID NO: 11:
189     (i) SEQUENCE CHARACTERISTICS:
190         (A) LENGTH: 24 amino acids
191         (B) TYPE: amino acid
192         (C) STRANDEDNESS: single
193         (D) TOPOLOGY: linear
194     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
196 Lys Lys His Glu Glu Glu Ala Lys Ala Glu Arg Glu Lys Lys Glu
197 1      5      10      15
198 Lys Glu Gln Lys Glu Lys Asp Lys
199      20
201 (2) INFORMATION FOR SEQ ID NO: 12:
202     (i) SEQUENCE CHARACTERISTICS:
203         (A) LENGTH: 16 amino acids
204         (B) TYPE: amino acid
205         (C) STRANDEDNESS: single
206         (D) TOPOLOGY: linear
207     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
209 Glu Lys Glu Lys Glu Glu Asn Glu Lys Lys Lys Gln Lys Lys Ala Ser
210 1      5      10      15
212 (2) INFORMATION FOR SEQ ID NO: 13:
213     (i) SEQUENCE CHARACTERISTICS:
214         (A) LENGTH: 27 amino acids
215         (B) TYPE: amino acid
216         (C) STRANDEDNESS: single
217         (D) TOPOLOGY: linear

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218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
220 Glu Glu Arg Pro Gln Arg Lys Ala Gln Pro Ala Gln Pro Ala Asp Glu  
221 1 5 10 15  
222 Pro Ala Glu Lys Ala Asp Glu Pro Met Glu His  
223 20 25  
225 (2) INFORMATION FOR SEQ ID NO: 14:  
226 (i) SEQUENCE CHARACTERISTICS:  
227 (A) LENGTH: 16 amino acids  
228 (B) TYPE: amino acid  
229 (C) STRANDEDNESS: single  
230 (D) TOPOLOGY: linear  
231 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:  
233 Ala Lys Glu Ser Leu Lys Glu Glu Asp Glu Ser Asp Asp Asp Asn Met  
234 1 5 10 15

VERIFICATION SUMMARY

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L:20 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:21 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]